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SEQUENCE LISTING

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<141> 2006-05-08

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gcg	act	att	atg	tcg	aat	gga	cct	ggg	ggg	tcc	aag	tgg	atg	tat	gta	1938

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Ala Thr Ile Met Ser Asn Gly Pro	Gly Gly Ser Lys Trp Met Tyr Val	
440	445 450	
gga cgt cag aat gca gga caa aca tgg aca gat tta act ggt aat aac		1986
Gly Arg Gln Asn Ala Gly Gln Thr Trp Thr Asp Leu Thr Gly Asn Asn	455 460 465	
gga gcg tcc gtt aca att aat ggc gat gga tgg ggc gaa ttc ttt acg		2034
Gly Ala Ser Val Thr Ile Asn Gly Asp Gly Trp Gly Glu Phe Phe Thr	470 475 480 485	
aat gga gga tct gta tcc gtg tac gtg aac caa taacaaaaag ccttgagaag		2087
Asn Gly Gly Ser Val Ser Val Tyr Val Asn Gln	490 495	
ggattcctcc ctaactcaag gctttcttta tgtcgcttag ctttacgctt ctacgacttt		2147
gaagcttggg gatccgtcga gacaaggtaa aggataaaac agcacaattc caagaaaaac		2207
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<400> 22

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Asn Asp Gly Gln His Trp Asn Arg Leu His Asp Asp Ala Ala Ala Leu	35 40 45
Ser Asp Ala Gly Ile Thr Ala Ile Trp Ile Pro Pro Ala Tyr Lys Gly	50 55 60
Asn Ser Gln Ala Asp Val Gly Tyr Gly Ala Tyr Asp Leu Tyr Asp Leu	65 70 75 80
Gly Glu Phe Asn Gln Lys Gly Thr Val Arg Thr Lys Tyr Gly Thr Lys	85 90 95
Ala Gln Leu Glu Arg Ala Ile Gly Ser Leu Lys Ser Asn Asp Ile Asn	100 105 110
Val Tyr Gly Asp Val Val Met Asn His Lys Met Gly Ala Asp Phe Thr	115 120 125
Glu Ala Val Gln Ala Val Gln Val Asn Pro Thr Asn Arg Trp Gln Asp	130 135 140

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Ile Ser Gly Ala Tyr Thr Ile Asp Ala Trp Thr Gly Phe Asp Phe Ser  
 145 150 155 160  
 Gly Arg Asn Asn Ala Tyr Ser Asp Phe Lys Trp Arg Trp Phe His Phe  
 165 170 175  
 Asn Gly Val Asp Trp Asp Gln Arg Tyr Gln Glu Asn His Ile Phe Arg  
 180 185 190  
 Phe Ala Asn Thr Asn Trp Asn Trp Arg Val Asp Glu Glu Asn Gly Asn  
 195 200 205  
 Tyr Asp Tyr Leu Leu Gly Ser Asn Ile Asp Phe Ser His Pro Glu Val  
 210 215 220  
 Gln Asp Glu Leu Lys Asp Trp Gly Ser Trp Phe Thr Asp Glu Leu Asp  
 225 230 235 240  
 Leu Asp Gly Tyr Arg Leu Asp Ala Ile Lys His Ile Pro Phe Trp Tyr  
 245 250 255  
 Thr Ser Asp Trp Val Arg His Gln Arg Asn Glu Ala Asp Gln Asp Leu  
 260 265 270  
 Phe Val Val Gly Glu Tyr Trp Lys Asp Asp Val Gly Ala Leu Glu Phe  
 275 280 285  
 Tyr Leu Asp Glu Met Asn Trp Glu Met Ser Leu Phe Asp Val Pro Leu  
 290 295 300  
 Asn Tyr Asn Phe Tyr Arg Ala Ser Gln Gln Gly Gly Ser Tyr Asp Met  
 305 310 315 320  
 Arg Asn Ile Leu Arg Gly Ser Leu Val Glu Ala His Pro Met His Ala  
 325 330 335  
 Val Thr Phe Val Asp Asn His Asp Thr Gln Pro Gly Glu Ser Leu Glu  
 340 345 350  
 Ser Trp Val Ala Asp Trp Phe Lys Pro Leu Ala Tyr Ala Thr Ile Leu  
 355 360 365  
 Thr Arg Glu Gly Gly Tyr Pro Asn Val Phe Tyr Gly Asp Tyr Tyr Gly  
 370 375 380  
 Ile Pro Asn Asp Asn Ile Ser Ala Lys Lys Asp Met Ile Asp Glu Leu  
 385 390 395 400  
 Leu Asp Ala Arg Gln Asn Tyr Ala Tyr Gly Thr Gln His Asp Tyr Phe  
 405 410 415

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Asp His Trp Asp Val Val Gly Trp Thr Arg Glu Gly Ser Ser Ser Arg  
420 425 430

Pro Asn Ser Gly Leu Ala Thr Ile Met Ser Asn Gly Pro Gly Gly Ser  
435 440 445

Lys Trp Met Tyr Val Gly Arg Gln Asn Ala Gly Gln Thr Trp Thr Asp  
450 455 460

Leu Thr Gly Asn Asn Gly Ala Ser Val Thr Ile Asn Gly Asp Gly Trp  
465 470 475 480

Gly Glu Phe Phe Thr Asn Gly Gly Ser Val Ser Val Tyr Val Asn Gln  
485 490 495